



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1054694

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
---	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Pablo 4-30
Doc ID	1054694

Tops

Name	Top	Datum
Anhydrite	1392	749
Heebner	3617	-1476
Lansing	3662	-1521
BKC	3981	-1840
Pawnee	4062	-1921
Ft. Scott	4143	-2002
Cherokee	4161	-2120
Mississippian	4226	-2085
TD	4250	-2109



Services, Inc.

CHARGE TO: AMERICAN WARRIOR  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET 20546

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. NESS CITY, KS  
 WELL PROJECT NO. PARLO 4-30  
 LEASE  
 COUNTY/LEASE RIG NAME NO. NESS  
 STATE CITY BAZINE, KS  
 DATE 17 MAR 11  
 OWNER  
 2. ORDER NO.  
 3. TICKET TYPE CONTRACTOR PETROMARK DRILLING  
 RIG SERVICE SALES  
 WELL TYPE DIL  
 WELL CATEGORY DEVELOPMENT  
 JOB PURPOSE 5/8 SURFACE  
 WELL PERMIT NO. LOCATION  
 WELL LOCATION 1E 44 N 10 W 50  
 INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE B IID	20	mi			5.00	100.00
5760D					PUMP CHARGE	1	HR	1400	FT.	1100.00	1100.00
401					INSERT EDOAT W/D AUTO FILL	1	EA			250.00	250.00
409					TURBOCHARGERS	4	EA			90.00	360.00
410					ISP PUG	1	EA			100.00	100.00
281					MUD FLUSH	500	gal			1.00	500.00
221					ALUMINUM KOL	2	gal			25.00	50.00
276					EDGECE	107	lbs.			1.50	160.50
292D					D-AIR	4	gal			35.00	140.00
330					SWIFT MULTI DENSITY	4	gal			15.00	63.75
581					SERVICE CHARGE CEMENT	4	gal			1.50	6.375
583					DRAPAGE	42297	lbs	42297	Tm	1.00	42297.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED 17 MAR 11 TIME SIGNED 2:45 PM

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY  
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  
 WE UNDERSTOOD AND MET YOUR NEEDS?  
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  
 ARE YOU SATISFIED WITH OUR SERVICE?  
 CUSTOMER DID NOT WISH TO RESPOND

AGREE UN-DECIDED DIS-AGREE

PAGE TOTAL 10195 97

TAX

TOTAL

SWIFT OPERATOR: [Signature]  
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES  
 APPROVAL: [Signature]  
 Thank You!





CHARGE TO: American Warrior  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET  
**20552**

PAGE 1 OF 2

1. SERVICE LOCATIONS: Amorby KS WELL/PROJECT NO. 4-30 LEASE Pablo COUNTY/PARISH Neas STATE KS CITY Bazine DATE 24 MAR 11 OWNER \_\_\_\_\_

2. TICKET TYPE  SERVICE CONTRACTOR \_\_\_\_\_ RIG NAME/NO. \_\_\_\_\_ SHIPPED  SALES  WELL TYPE Patwork WELL CATEGORY Development JOB PURPOSE Development DELIVERED TO location ORDER NO. \_\_\_\_\_

3. REFERRAL LOCATION \_\_\_\_\_ INVOICE INSTRUCTIONS \_\_\_\_\_ WELL PERMIT NO. \_\_\_\_\_ WELL LOCATION 30-185-21 WJ

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE TRK 114	20	mi			5.00	100.00
578					Pump Charge	1	ea			1400.00	1400.00
402					Control Panel	5	ea			65.00	325.00
403					Connect Basket	5	ea			230.00	230.00
406					Latch down ply & bottle	1	ea			225.00	225.00
407					1850T Floor shoe	5	ea			300.00	300.00
<del>407</del>					<del>Rotating head</del>	<del>4</del>	<del>ea</del>			<del>450.00</del>	<del>450.00</del>

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_

AM  PM

**REMIT PAYMENT TO:**  
**SWIFT SERVICES, INC.**  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL: 2580.00  
 TAX: 4620.00  
 TOTAL: 7200.00

SWIFT OPERATOR: ABM APPROVAL: \_\_\_\_\_

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 24 MAR 11 PAGE NO.

CUSTOMER *Watt, Jr* WELL NO. *4-30* LEASE *Pablo* JOB TYPE *Cement long string* TICKET NO. *20552*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 SKS EA-2 101 joint 5 1/2" 15.5"
								Cont 1, 2, 3, 4, 80 Basket 5 LTD 40SD TOTAL PIPE '12 SD' steel joint 42.8'
	0100							on loc TRK 114
	0130							START 5 1/2" 15.5" casing in well
	0320							Dropball circulate - ROTATE circulate pipe down
	0435							Pump 12 bbl MUDFLUSH Pump 20 bbl KCL flush
	0440		7					Plug RH (30 SKS)
	0445	4 3/4				2SD		MIX 145 SKS EA-2 @ 15.3 ppm
	0500							Drop plug Wash out Pump's lines
	0503	6 3/4						Displace Plug
	0520		92 100			8SD 1SD		LAND plug
								wash truck
								BACK TO
	0545							job complete Thank!
								Blaine Dave & David



PO Box 466,  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 20552

CUSTOMER	WELL	DATE	PAGE	OF
American Warrior	2660 4.30	2 MAR 11	2	2
325	1			
284	1			
283	1			
292	1			
276	1			
281	1			
281	1			
290				
STANDARD COMERT (4-15A-2)	175 SK	12 00	2100 00	
Colseal	8 SK	30 00	240 00	
SALT	900 LB	0 15	135 00	
WALD - 322	125 00	7 50	937 50	
Flocele	50 LB	1 50	75 00	
MULFISH	400 GAL	1 00	500 00	
KCL Liquid	2 GAL	25 00	50 00	
D-HR	2 GAL	35 00	70 00	
582				
581				
DISCONT (M...)	1 01	250 00	250 00	
SERVICE CHARGE	175	1 50	262 50	
TOTAL WEIGHT				
LOADED MILES				
CUBIC FEET				
TON MILES				
				4620 00





Services, Inc.

TICKET  
20556

PAGE 1 OF 1

CHARGE TO: American Warrior  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

SERVICE LOCATIONS: 1. 10048 15 WELL/PROJECT NO. 4-30 LEASE Pablo COUNTY/PARISH Nebo STATE KS CITY Barzine DATE 29 wtd 11 OWNER  
 2. TICKET TYPE  SERVICE  SALES CONTRACTOR RIG NAME NO. SHIPPED WET DELIVERED TO location ORDER NO.  
 3. WELL TYPE D-1 WELL CATEGORY Development JOB PURPOSE convert annular WELL PERMIT NO. WELL LOCATION 30-185-2140  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE TRK 114	20	mi.			500	100.00
577					Pump Charge	1	hrs			850.00	850.00
330					SMUD cement	125	skt			1500	187500
276					Florder	50	lb			1.50	75.00
200					D-AIR	2	gal			3500	7000
581					Service charge	125	skt			1.50	187.50
582					Drayage (min)	1	hrs			250.00	250.00

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 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 DATE SIGNED Scott TIME SIGNED  AM  PM

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL 3407 52  
 TAX 6.3% 127 26  
 TOTAL 3534 76

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES  
 SWIFT OPERATOR Boyer APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 29 MAR 11 PAGE NO. 1

CUSTOMER American Water WELL NO. 4-30 LEASE Pablo JOB TYPE Cement annulus TICKET NO. 20556

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
							annulus	125 sts SMD w/ 1/4" floate 5 1/2" x 8 3/8"
	1330							on 100 TRK114
							300	Pressure up 5 1/2" to 500 psi close in 5 1/2" casing
1350		3 1/2	3				100	injection rate down annulus (5 1/2" x 8 3/8") 3 bbl @ 100 psi
1400		3 1/2					200	mix cement SMD w/ 1/4" floate @ 12.4 ppg
		3 1/2	10				400	
1420		3 1/2	49				300	Kick out 125 sts mixed
1425							50	2 min - 50 psi on annulus shut in annulus
							∅	release pressure on casing replace Buret On Pipe
1440							∅	wash truck annulus on vacuum job complete
								Thanks!
								Lane, Elaine, & Dave



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
 P.O. Box 399  
 Garden City, Ks 67846  
 ATTN: Jason Alm

**Pablo #4-30**  
**30/18S/21W-Ness**  
 Job Ticket: 42780 **DST#: 1**  
 Test Start: 2011.03.22 @ 15:42:56

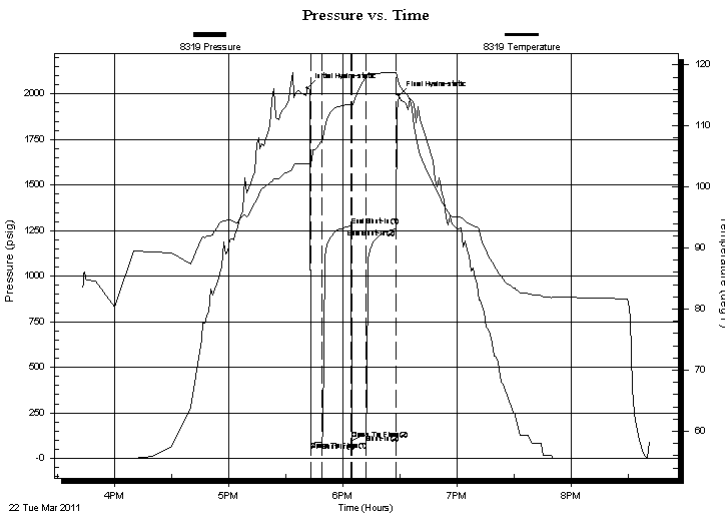
## GENERAL INFORMATION:

Formation: **Cherokee 'A' Sand**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:42:56  
 Time Test Ended: 20:41:26  
 Interval: **4155.00 ft (KB) To 4180.00 ft (KB) (TVD)**  
 Total Depth: 4180.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole  
 Tester: Dustin Rash  
 Unit No: 47  
 Reference Elevations: 2141.00 ft (KB)  
 2135.00 ft (CF)  
 KB to GR/CF: 6.00 ft

**Serial #: 8319 Inside**  
 Press @ Run Depth: 131.98 psig @ 4156.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.03.22 End Date: 2011.03.22 Last Calib.: 2011.03.22  
 Start Time: 15:43:01 End Time: 20:41:25 Time On Btm: 2011.03.22 @ 17:41:26  
 Time Off Btm: 2011.03.22 @ 18:29:26

**TEST COMMENT:** IF-Strong building blow . B.O.B. in 3 minutes 10 seconds.  
 ISI-Return @ 10 seconds. Built to 2 inches.  
 FF-Strong building blow . B.O.B. in 3 minutes.  
 FSI-Return @ 20 seconds. Built to 5 inches.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2032.08	103.88	Initial Hydro-static
2	46.40	104.00	Open To Flow (1)
8	90.95	107.65	Shut-In(1)
23	1275.81	113.55	End Shut-In(1)
24	104.35	113.23	Open To Flow (2)
31	131.98	117.96	Shut-In(2)
47	1258.65	118.77	End Shut-In(2)
48	1992.62	116.85	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	80%Water/10%Oil/10%Mud	0.07
171.00	50%Gas/45%Oil/5%Water	1.43
126.00	80%Oil/10%Mud/10%Gas	1.77
0.00	186' G.I.P.	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**Pablo #4-30**

P.O. Box 399  
Garden City, Ks 67846

**30/18S/21W-Ness**

Job Ticket: 42780

**DST#: 1**

ATTN: Jason Alm

Test Start: 2011.03.22 @ 15:42:56

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 48000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.17 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.20 ohm.m	Gas Cushion Pressure: psig	
Salinity: 8200.00 ppm		
Filter Cake: inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	80%Water/10%Oil/10%Mud	0.074
171.00	50%Gas/45%Oil/5%Water	1.433
126.00	80%Oil/10%Mud/10%Gas	1.767
0.00	186' G.I.P.	0.000

Total Length: 312.00 ft      Total Volume: 3.274 bbl

Num Fluid Samples: 0

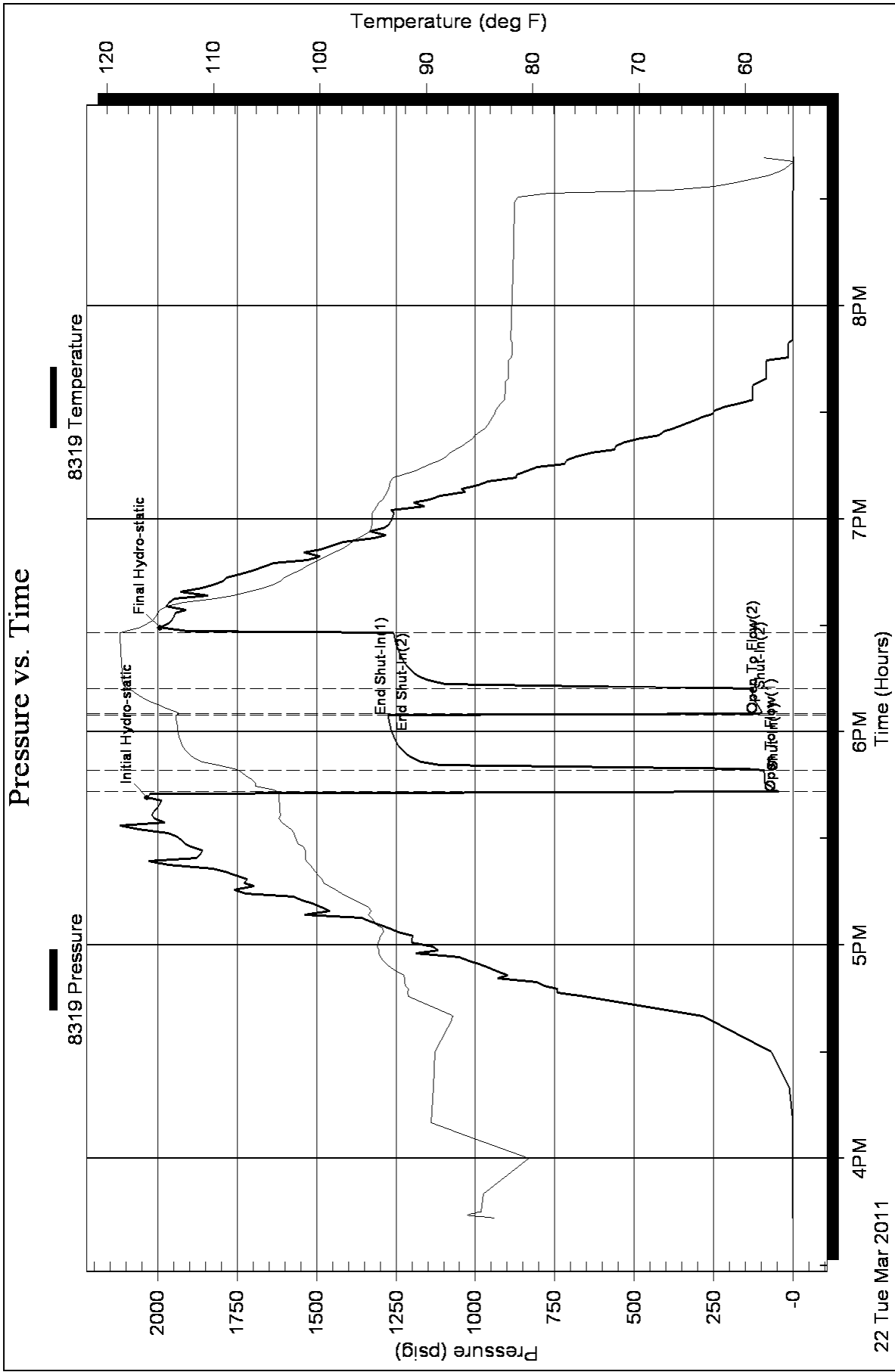
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
P.O. Box 399  
Garden City, Ks 67846  
ATTN: Jason Alm

**Pablo #4-30**  
**30/18S/21W-Ness**  
Job Ticket: 42781      **DST#: 2**  
Test Start: 2011.03.23 @ 06:27:54

## GENERAL INFORMATION:

Formation: **Mississippian**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 08:42:54  
Time Test Ended: 13:52:54  
Interval: **4237.00 ft (KB) To 4246.00 ft (KB) (TVD)**  
Total Depth: 4246.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Poor  
Test Type: Conventional Bottom Hole  
Tester: Dustin Rash  
Unit No: 47  
Reference Elevations: 2141.00 ft (KB)  
2135.00 ft (CF)  
KB to GR/CF: 6.00 ft

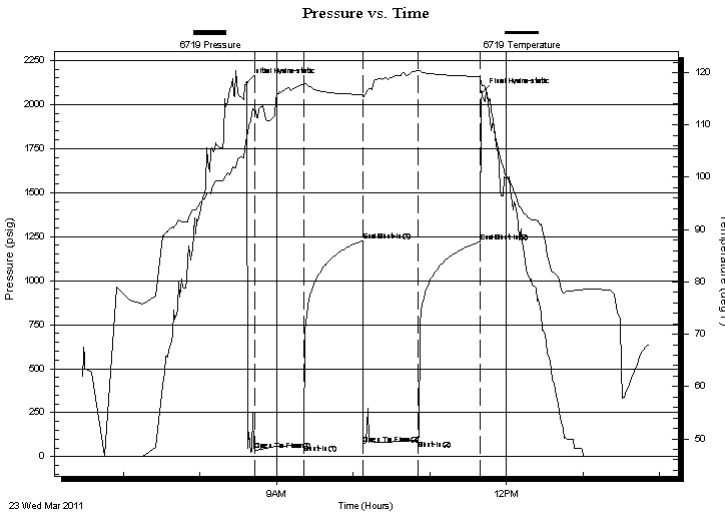
## Serial #: 6719

Inside

Press @ Run Depth: 93.32 psig @ 4238.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.03.23      End Date: 2011.03.23      Last Calib.: 2011.03.23  
Start Time: 06:27:59      End Time: 13:52:53      Time On Btm: 2011.03.23 @ 08:36:54  
Time Off Btm: 2011.03.23 @ 11:40:54

TEST COMMENT: IF-Weak building blow . Built to 7&1/2 inches.  
ISI-No Return.  
FF-Weak building blow . Built to 5&1/2 inches.  
FSI-No Return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2122.02	108.47	Initial Hydro-static
6	34.40	112.94	Open To Flow (1)
45	69.79	117.75	Shut-In(1)
91	1226.79	115.84	End Shut-In(1)
91	72.33	115.46	Open To Flow (2)
134	93.32	120.41	Shut-In(2)
183	1219.79	119.20	End Shut-In(2)
184	2068.26	117.71	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	50%W/20%O/20%G/10%M	0.30
114.00	40%W/20%O/20%G/20%M	1.06
35.00	70%O/20%W/10%M	0.49

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**Pablo #4-30**

P.O. Box 399  
Garden City, Ks 67846

**30/18S/21W-Ness**

Job Ticket: 42781

**DST#: 2**

ATTN: Jason Alm

Test Start: 2011.03.23 @ 06:27:54

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	30000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.27 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8200.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	50%W/20%O/20%G/10%M	0.305
114.00	40%W/20%O/20%G/20%M	1.062
35.00	70%O/20%W/10%M	0.491

Total Length: 211.00 ft      Total Volume: 1.858 bbl

Num Fluid Samples: 0

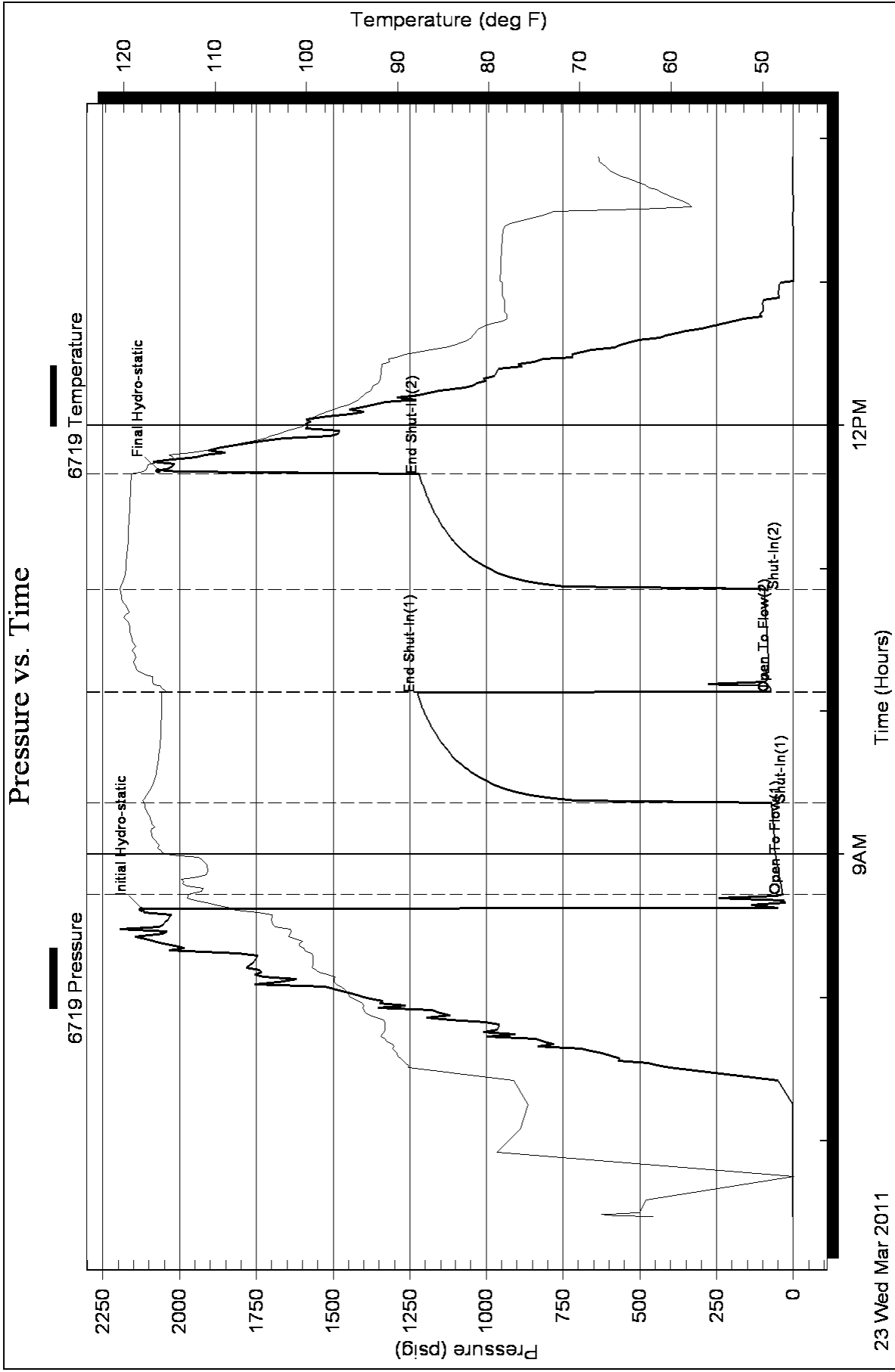
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





# **Geological Report**

American Warrior, Inc.

**Pablo #4-30**

1650' FSL & 960' FEL

Sec. 30 T18s R21w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Pablo #4-30  
1650' FSL & 960' FEL  
Sec. 30 T18s R21w  
Ness County, Kansas  
API # 15-135-25223-0000

Drilling Contractor: Petromark Drilling, LLc Rig #1

Geologist: Jason Alm

Spud Date: March 17, 2011

Completion Date: March 24, 2011

Elevation: 2135' Ground Level  
2141' Kelly Bushing

Directions: Bazine KS, 3/4 mi. East on Hwy 96, North 1/4 mi. on  
EE rd. West into location.

Casing: 1398' 8 5/8" surface casing  
4249' 5 1/2" production casing

Samples: 10' wet and dry, 3900' to RTD

Drilling Time: 3500' to RTD

Electric Logs: Log-Tech, Inc. "Chris Desaire

Drillstem Tests: Two, Trilobite Testing, Inc. "Dustin Rash"

Problems: Due to oil in system from DST #1 gas detector was  
not giving correct readings for Mississippian.

Remarks: Short times were run on DST #1 due to strong  
blows.

## Formation Tops

<b>Formation</b>	<b>American Warrior, Inc. Pablo #4-30 Sec. 30 T18s R21w 1650' FSL &amp; 960' FEL</b>
Anhydrite	<b>1392', +749</b>
Base	<b>1428', +713</b>
Heebner	<b>3617', -1476</b>
Lansing	<b>3662', -1521</b>
BKc	<b>3981', -1840</b>
Pawnee	<b>4062', -1921</b>
Fort Scott	<b>4143', -2002</b>
Cherokee	<b>4161', -2120</b>
Mississippian	<b>4226', -2085</b>
Osage	<b>4240', -2099</b>
LTD	<b>4250', -2109</b>
RTD	<b>4250', -2109</b>

## Sample Zone Descriptions

**Cherokee "A" Sand (4165', -2024):      Covered in DST #1**

Ss – Fine to medium grained, sub-rounded, poorly cemented in part, well sorted with fair to good inter-granular porosity, light to fair oil stain in porosity, slight show of free oil when broken, fair yellow cut fluorescents, 28 units hotwire.

**Mississippian Osage (4240', -2099):      Covered in DST #2**

Dolo – Δ – Fine sucrosic crystalline with poor inter-crystalline and vuggy porosity, heavy chert, triptolitic, heavily weathered with fair to good vuggy porosity, light to good oil stain in porosity, show of free oil, fair odor, good yellow cut fluorescents.

**Drill Stem Tests**  
Trilobite Testing, Inc.  
"Dustin Rash"

**DST #1**

**Cherokee "A" Sand**

Interval (4155' – 4180') Anchor Length 25'

IHP	– 2032 #	
IFP	– 5" – B.O.B. 3 min.	46-91 #
ISI	– 15" – Built to 2 in.	1276 #
FFP	– 5" – B.O.B. 3 min.	104-132 #
FSI	– 15" – Built to 5 in.	1258 #
FHP	– 1992 #	
BHT	– 118°F	

Recovery:	186' GIP	
	126' MGO	80% Oil
	171' WCGO	45% Oil, 5% Water
	15' OMCW	10% Oil, 80% Water

**DST #2**

**Mississippian Osage**

Interval (4237' – 4246') Anchor Length 9'

IHP	– 2122 #	
IFP	– 45" – Built to 7.5 in.	34-70 #
ISI	– 45" – Dead	1227 #
FFP	– 45" – Built to 5.5 in.	72-93 #
FSI	– 45" – Dead	1218 #
FHP	– 2068 #	
BHT	– 120°F	

Recovery:	35' MWCO	70% Oil, 20% Water
	114' GMOCW	20% Oil, 40% Water
	62' GMOCW	20% Oil, 50% Water

## Structural Comparison

	American Warrior, Inc. Pablo #4-30 Sec. 30 T18s R21w 1650' FSL & 960' FEL	American Warrior, Inc. Pablo #2-30 Sec. 30 T18s R21w 350' FSL & 800' FEL		American Warrior, Inc. Pablo #1-30 Sec. 30 T18s R21w 335' FSL & 2175' FEL	
<b>Formation</b>					
Anhydrite	<b>1392', +749</b>	1379', +749	<b>FL</b>	1393', +753	<b>(-4)</b>
Base	<b>1428', +713</b>	1413', +715	<b>(-2)</b>	1427', +719	<b>(-6)</b>
Heebner	<b>3617', -1476</b>	3603', -1475	<b>(-1)</b>	3620', -1474	<b>(-2)</b>
Lansing	<b>3662', -1521</b>	3650', -1522	<b>(+1)</b>	3665', -1519	<b>(-2)</b>
BKc	<b>3981', -1840</b>	3971', -1843	<b>(+3)</b>	3986', -1840	<b>FL</b>
Pawnee	<b>4062', -1921</b>	4046', -1918	<b>(-3)</b>	4066', -1920	<b>(-1)</b>
Fort Scott	<b>4143', -2002</b>	4130', -2002	<b>FL</b>	4145', -1999	<b>(-3)</b>
Cherokee	<b>4161', -2120</b>	4147', -2019	<b>(-1)</b>	4165', -2019	<b>(-1)</b>
Mississippian	<b>4226', -2085</b>	4221', -2093	<b>(+8)</b>	4240', -2094	<b>(+9)</b>
Osage	<b>4240', -2099</b>	4235', -2107	<b>(+8)</b>	4258', -2112	<b>(+13)</b>

## Summary

The location for the Pablo #4-30 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two drill stem tests were conducted both of which recovered commercial amounts of oil from the Cherokee and Mississippian Osage Formations. After all gathered data had examined the decision was made to run 5 ½ in. production casing to further evaluate the Pablo #4-30 well.

## Recommended Perforations

**Primary:**

**Cherokee "A" Sand                      (4165' – 4170')                      DST #1**

**Secondary:**

**Mississippian Osage                      (4240' – 4248')                      DST #2**

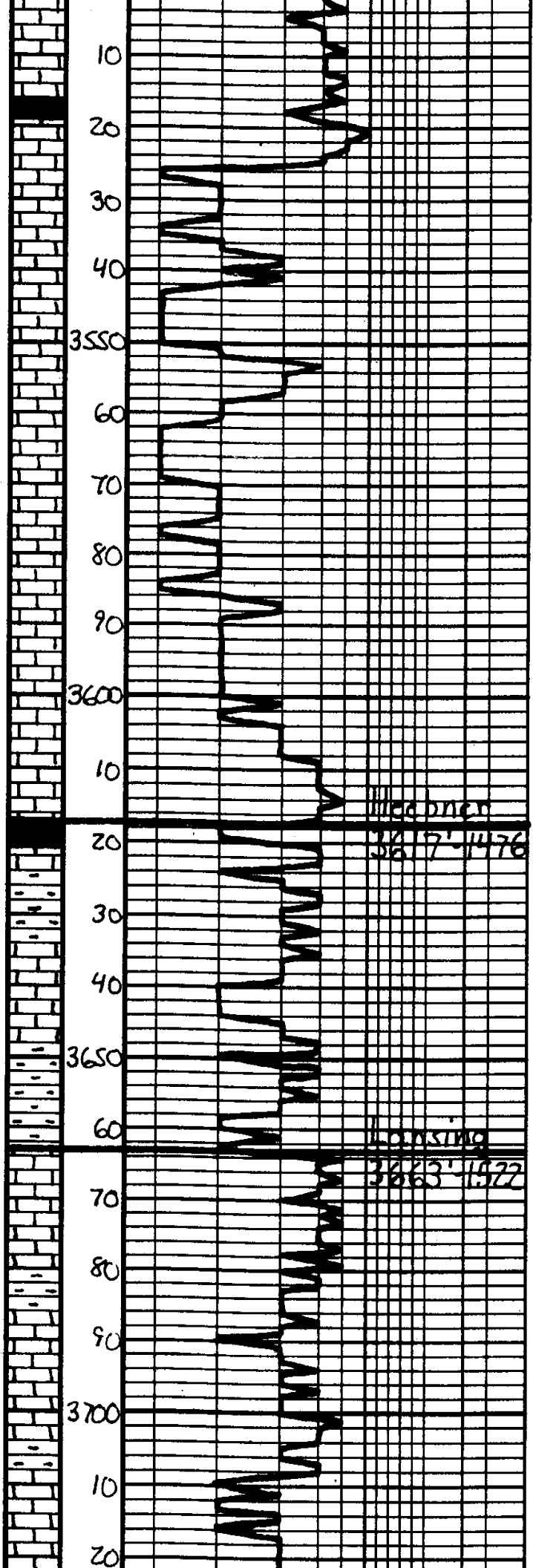
Respectfully Submitted,

Jason Alm  
Hard Rock Consulting, Inc.





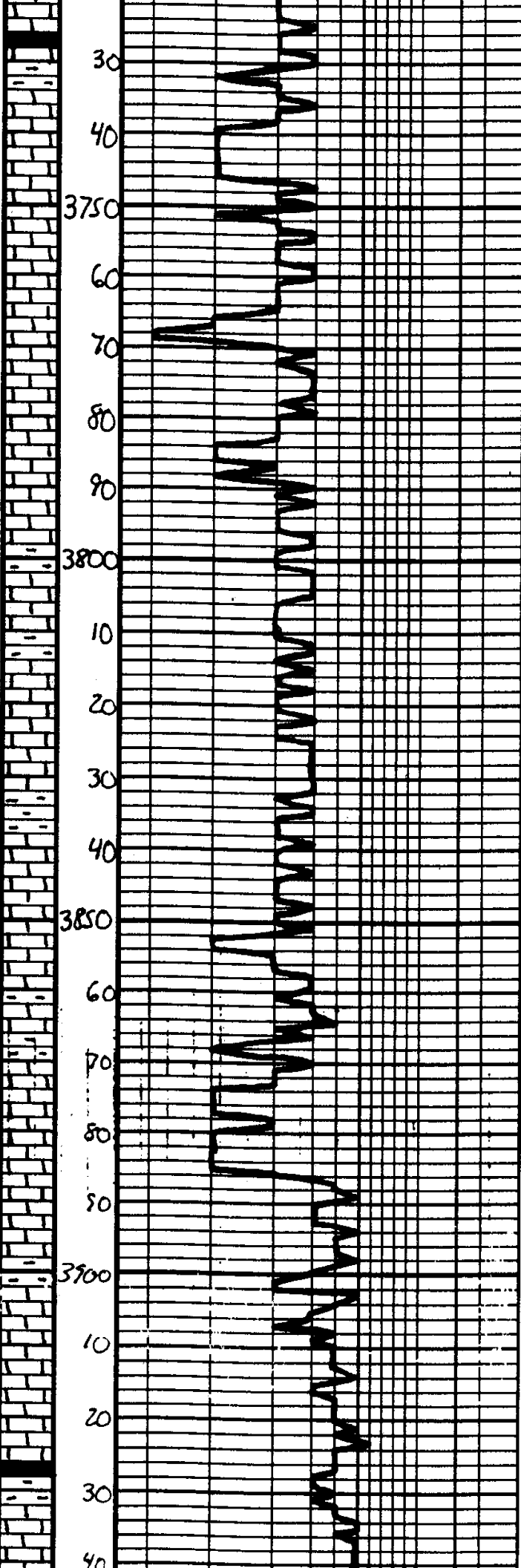
Geo. location  
12:00 p.m. 3-21-2011



Headner  
3617' 1176'

Lensing  
3663' 1177'





LS - Offsh. - Jam. Exch. Co.  
 Dist. Int. Coast. Corp. - Bonaire

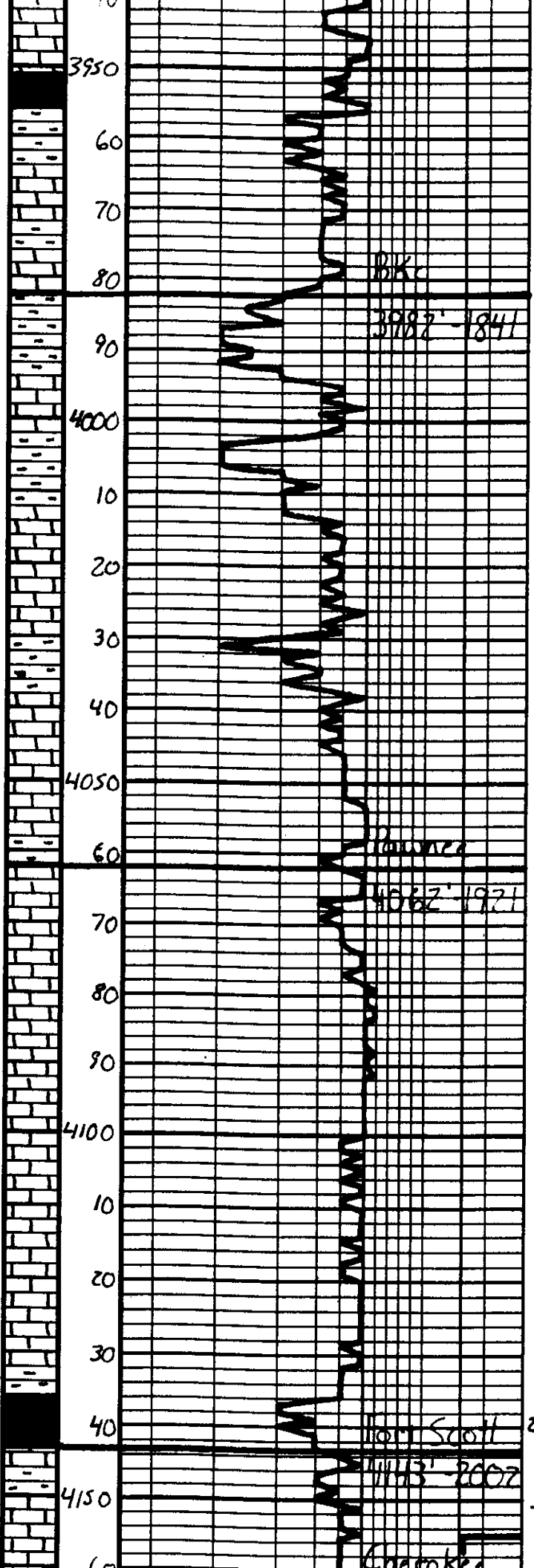
Sh - Guy. Bon

LS - Jam. Exch. Co. - Substa.  
 Dist. Int. Coast. Corp. - Bonaire

LS - a/c. DNS

Sh - Dick Guy

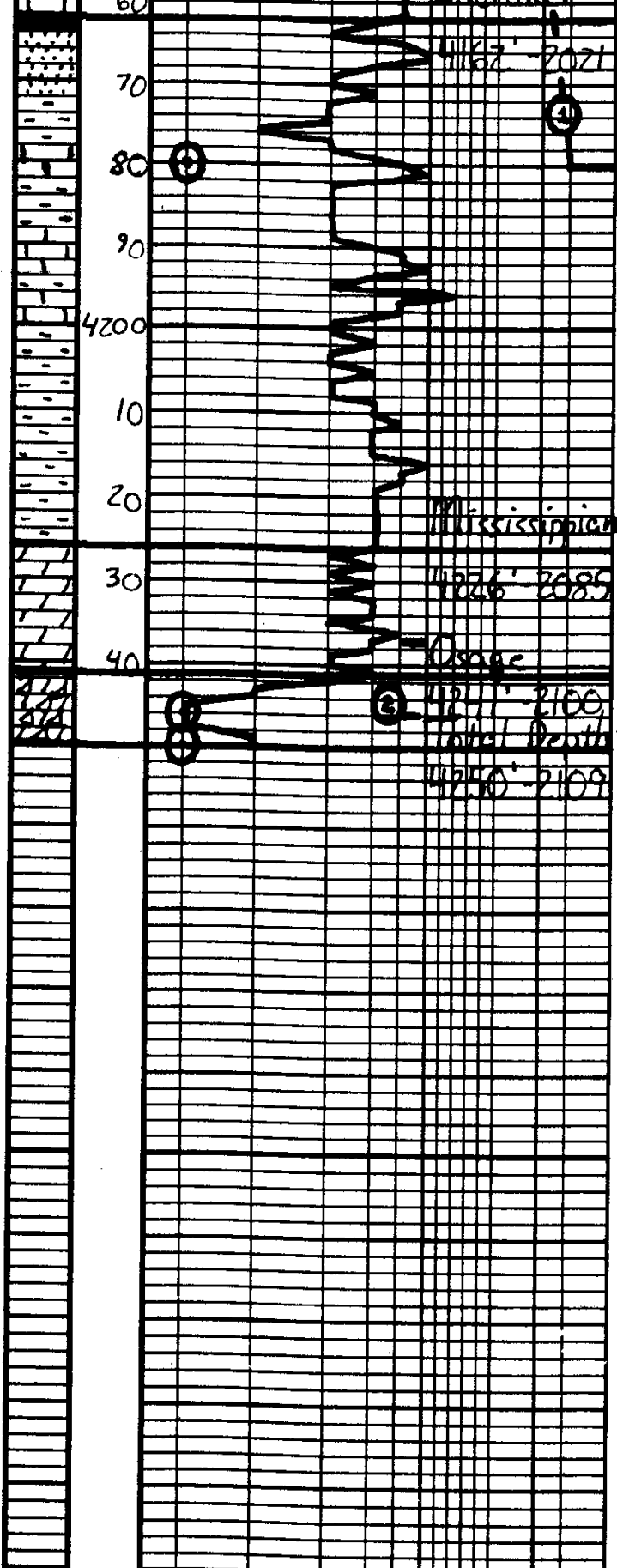
LS - Jam. Exch. Co. - Substa.



Sl. Cal., DNS  
Sh. Dk. Gray - Blk  
Sh. Gray - Ben  
LS. Tan - Gray. Sl. Mottled. Substr. DNS  
LS. alc  
Sh. Gray - Ben - Green  
LS. Tan - Lt. Gray. Substr. DNS  
Sh. Gray - Ben - Green  
LS. Tan - Lt. Gray. Substr. DNS  
Sh. Gray - Ben  
LS. Tan - Lt. Gray. Substr. DNS. 4. Whit. Org.  
Sh. Gray - Green  
LS. Gray - Lt. Gray. Substr. DNS  
LS. alc  
LS. Gray. Substr. DNS  
LS. alc  
LS. alc  
Sh. Blk. Carb.  
LS. Tan - Lt. Gray. Substr. DNS. Sl. Whit. Green

<b>DST #1</b>	
Cherokee 2" Sand	
4155' - 4180'	
5" - 15" - 5" - 15"	
IH	2032#
IF	46.91# BOB 3 min.
ISI	1216# Built to 2 in.
FF	104.132# BOB 3 min.
FSE	1258# Built to 5 in.
FH	1992#
BHT	118°F
Recovery:	

22  
7



Sh. Dark Gray. Bk

SS: Gray. B. Med. Co. Sub.  
Roundell. Poch. 1/2" irregular in  
shape. Well sorted. Fair.  
Coarse calc. aggr. & 1/2" flat oil  
st. in sh. Sh. 50% when broken.  
Fair. 1/2" cut. Fine.

LS - Tan - Gray. Sub. l. v. DNS

LS - alc

Sh. Gray - Ben - Tan

sh. alc. S. Vel. - Whit

Dol. - Dark. Whit. Gray. Fair. Sub. l. v.  
well sorted. Fair. 1/2" irregular in  
shape. Well sorted. Fair. 1/2" flat oil  
st. in sh. Sh. 50% when broken.  
Fair. 1/2" cut. Fine.

Sh. - Dark. - Whit. - Lt. Ben. Fine. Sub.  
x-l. w. (Coarse) calc. aggr. & 1/2" flat oil  
st. in sh. Sh. 50% when broken.  
Fair. 1/2" cut. Fine.

126' GIP  
126' MGO  
86% O.I.  
171' MGO  
45% O.I., 5% Water  
15' O.M.C.W.  
10% O.I., 80% Water

DST #2  
Mississippi  
4237' - 4246'  
45" 45" 45" 45"

IH 2122 #  
IF 34-70 #  
Built to 7.5 in.

SSI 1261 #  
Dead

FF 72-93 #  
Built to 5.5 in.

FSI 1218 #  
Dead

FH 2062 #

BNT 120° F

Recovery:  
31' MGO  
70% O., 20% W  
114' MGO  
20% O., 40% W  
67' MGO  
20% O., 30% W

Respectfully  
J. [Signature]  
3-28-2011

